8-Inch Bandpass Box Speaker

Your Optimus 8-Inch Bandpass Box Speaker uses the latest in bandpass design technology to add deep, clean sound to your vehicle's audio system. The 8-inch woofer is completely enclosed between two precisely aligned chambers. The size and shape of these chambers are designed to provide you with incredibly low, chest-pounding bass.

Your speaker also has these advanced features:

Fourth-Order Bandpass Design—provides incredible low-frequency response.

8-Inch Poly-Laminated Woofer—can handle up to 375 watts maximum (125 watts RMS) yet is still efficient at low power levels.

Gold-Plated Contacts—provide the best possible connection to your speaker wiring system.

Note: Your 8-Inch Bandpass Box Speaker is designed for vehicle stereo systems of 5 watts or more per channel. For the best performance, we recommend you use a power amplifier or equalizer booster with this speaker. Your local Radio Shack store carries a wide selection of power amplifiers and equalizer boosters.

INSTALLATION

You can connect your speaker either as one in a pair of speakers or as a single speaker. For the best performance, we recommend you drive the speaker with a high-power amplifier (at least 50 Watts). Radio Shack stores sell several suitable amplifiers.

Note: Speaker wires are usually color coded or otherwise marked to indicate polarity. Be sure to connect the wire from the amplifier's + output to the speaker's + terminal, and from the amplifier's – output to the speaker's – terminal. If you reverse these connections, bass response is greatly reduced. See your amplifier's manual for speaker cable recommendations.

Connecting a Pair of Speakers

1. Connect the amplifier to your stereo system, as described in your amplifier and stereo's owner's manuals.
2. Connect one speaker cable to the amplifier's left channel output and another speaker cable to the amplifier's right channel output.
3. Strip about 1/2 inch of insulation from the ends of both wires on each speaker cable.
4. Loosen the speaker's terminal posts and insert one of the speaker wire's bare ends in each hole. Then tighten the terminal posts.

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Connecting a Single Speaker

To connect a single speaker, you must use an amplifier that can *bridge* (combine) the stereo's right and left channels into a single output.

1. Follow your amplifier's and stereo system's owner's manuals to connect the amplifier to the stereo.
2. Follow the amplifier's owner's manual to bridge the amplifier's output for a single speaker.
3. Connect a speaker cable to the amplifier's output.
4. Strip about 1/2 inch of insulation from the ends of both wires on the speaker cable.
5. Loosen the speaker's terminal posts and insert the speaker wire's bare ends in the holes. Then tighten the terminal posts.

SPECIFICATIONS

Frequency Response	30–130 Hz
Power Handling	375 Watts Maximum (125 Watts RMS)
Impedance	4 Ohms
Speaker Element	8-Inch Poly-Laminated Woofer
Speaker Enclosure	4th Order Bandpass Design
Dimensions	11 × 22 × 11 Inches (HWD)
Weight	25 Pounds

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

RADIO SHACK LIMITED WARRANTY

This product is warranted against defects for 90 days from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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